

# METHOD FOR CONTROLLING AERATION QUANTITY

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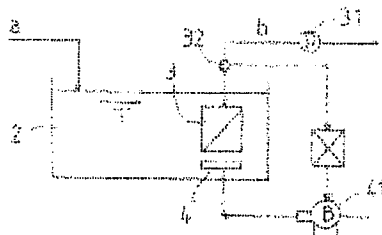
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Abstract of JP 2005144291 (A)

**PROBLEM TO BE SOLVED:** To provide a method for controlling aeration quantity capable of reducing an energy cost by suppressing the aeration quantity up to the minimum level low and responding to the usual change of filtration conditions. ; **SOLUTION:** Inside a treating tank 2 such as a biological reactor in an activated sludge method, a membrane separator 3 in which a membrane filtration module comprising a filter membrane for separating raw water (a) to be treated into a sludge solid component and treated water (b) is loaded is immersed and disposed and, just under the membrane separator, an aerator 4 is attached and diffuses the air supplied from a blower 41 and floated air bubbles wash the membrane separator 3. A membrane differential pressure of the membrane separator 3 is monitored by a pressure sensor 32 and, at the non-stationary time when the membrane differential pressure rises suddenly over the predetermined value, the aeration quantity supplied from the aerator 4 is increased. ; **COPYRIGHT:** (C) 2005,JPO&NCIP



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